

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| S1    | 7    | "10065240"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/09/02<br>09:59 |
| S2    | 2    | "2000149302"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/09/02<br>10:09 |
| S3    | 21   | "6421314"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/09/02<br>10:11 |
| S4    | 2    | "US 20080279058"   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR               | OFF     | 2009/09/02<br>10:32 |
| S5    | 11   | "7038989"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/09/02<br>10:36 |
| S6    | 4    | "2001056953"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/09/02<br>10:52 |
| S7    | 4392 | ((add\$3 addition\$2<br>super\$3impose super<br>\$3imposed super<br>\$3imposing super<br>\$3imposition super<br>\$3pose super\$3posed<br>super\$3posing super<br>\$3position ((super)<br>near2 (impos\$3<br>imposition pos\$3<br>position)) ((plac\$3 put<br>\$4) near3 (on top on<br>\$3top))) near20<br>(((modulation modulat<br>\$3) near3<br>(frequency)) high | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/02<br>13:39 |

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|     |        | \$3frequency (high<br>near2 frequency) hf<br>\$1)) near50 (read\$3<br>reproduc\$3<br>reproduction play\$3<br>play\$3back writ\$3<br>record\$3 burn\$3) |  |    |    |                     |
| S8  | 108089 | "369"/\$.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:40 |
| S9  | 548    | "369"/47.5.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:40 |
| S10 | 306    | "369"/47.51.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:40 |
| S11 | 123    | "369"/47.52.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:40 |
| S12 | 938    | "369"/44.27.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:41 |
| S13 | 145    | "369"/124.04.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:41 |
| S14 | 176    | "369"/124.1.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:41 |
| S15 | 169    | "369"/124.14.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:41 |

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| S16 | 1545  | "369"/292.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:41 |
| S17 | 3901  | (S9 S10 S11 S12 S13<br>S14 S15 S16)                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:41 |
| S18 | 810   | S7 and S8   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:41 |
| S19 | 45806 | "372"/\$.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:42 |
| S20 | 72    | S7 and S19  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:42 |
| S21 | 2657  | S7 and (current<br>voltage)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:43 |
| S22 | 614   | S21 and S8  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:43 |
| S23 | 3161  | S7 and (disc disk<br>media medium<br>carrier)                         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/02<br>13:47 |
| S24 | 17    | ("5386409"  <br>"5629913"  <br>"5781222").PN. OR<br>("6421314").URPN. | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/09/02<br>17:45 |
| S25 | 2     | "06168475"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/09/08<br>13:17 |

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| S26 | 4      | "03017840"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>14:03 |
| S27 | 1121   | ((chang\$3 adjust\$3<br>switch\$3 alteration<br>alter\$3 vary\$4 shift\$3<br>increas\$3 decreas\$3)<br>near10 (((modulation<br>modulat\$3) near3<br>(frequency)) high<br>\$3frequency (high<br>near2 frequency) hf<br>\$1)) near30 ((before<br>prior tim\$3 ahead<br>earlier early) near15<br>(read\$3 reproduc\$3<br>reproduction play\$3<br>play\$3back writ\$3<br>record\$3 burn\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:04 |
| S28 | 108127 | "369"/\$.cls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:04 |
| S29 | 160    | S27 and S28  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:04 |
| S30 | 4399   | ((add\$3 addition\$2<br>super\$3impose super<br>\$3imposed super<br>\$3imposing super<br>\$3imposition super<br>\$3pose super\$3posed<br>super\$3posing super<br>\$3position ((super)<br>near2 (impos\$3<br>imposition pos\$3<br>position)) ((plac\$3 put<br>\$4) near3 (on top on<br>\$3top))) near20<br>(((modulation modulat<br>\$3) near3<br>(frequency)) high<br>\$3frequency (high<br>near2 frequency) hf<br>\$1)) near50 (read\$3<br>reproduc\$3<br>reproduction play\$3<br>play\$3back writ\$3 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:05 |

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|     |       | record\$3 burn\$3)  |  |    |    |                     |
| S31 | 811   | S30 and S28   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:05 |
| S32 | 99    | S29 not S31   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:05 |
| S33 | 12677 | ((chang\$3 adjust\$3<br>switch\$3 alteration<br>alter\$3 vary\$4 shift\$3<br>increas\$3 decreas\$3)<br>near10 (add\$3<br>addition\$2 super<br>\$3impose super<br>\$3imposed super<br>\$3imposing super<br>\$3imposition super<br>\$3pose super\$3posed<br>super\$3posing super<br>\$3position ((super)<br>near2 (impos\$3<br>imposition pos\$3<br>position)) ((plac\$3 put<br>\$4) near3 (on top on<br>\$3top)))))) near30<br>((before prior tim\$3<br>ahead earlier early)<br>near15 (read\$3<br>reproduc\$3<br>reproduction play\$3<br>play\$3back writ\$3<br>record\$3 burn\$3)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:41 |
| S34 | 922   | S33 and S28   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:46 |
| S35 | 843   | S34 not S31   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:46 |

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| S36 | 656 | ((chang\$3 adjust\$3 switch\$3 alteration alter\$3 vary\$4 shift\$3 increas\$3 decreas\$3) near10 (level magnitude amplitude)) near30 ((before prior tim\$3 ahead earlier early) near15 (read\$3 reproduc\$3 reproduction play\$3 play\$3back writ\$3 record\$3 burn\$3))) near100 (transition transient transitory (short near2 lived) short\$3lived stable (steady near2 state) steady\$3state stabiliz \$3) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:49 |
| S37 | 94  | S36 and S28  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>15:50 |

9/10/2009 11:10:31 AM

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